

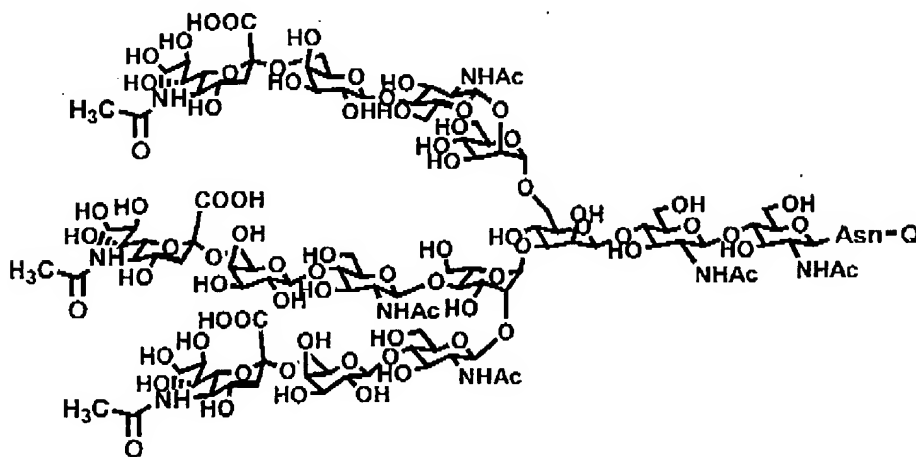
FEB 08 2007

PATENT APPLN. NO. 10/540,623
RESPONSE UNDER 37 C.F.R. §1.111

PATENT
NON-FINAL

IN THE CLAIMS:

1. (currently amended) A 3-branched asparagine-linked oligosaccharide derivative of the formula (1) wherein the nitrogen of amino group of asparagine is modified with a lipophilic protective group, biotin group or FITC group



wherein Q is a lipophilic protective group, biotin group or FITC group.

2. (original) A 3-branched asparagine-linked oligosaccharide derivative according to claim 1 which contains at least one fucose in N-acetylglucosamine on the nonreducing terminal side of the 3-branched asparagine-linked oligosaccharide of the derivative.

3. (original) A 3-branched asparagine-linked oligosaccharide derivative according to claim 1 or 2 wherein the lipophilic protective group is an Fmoc group.

4 - 5. (canceled)

6. (original) A process for preparing a 3-branched asparagine-linked oligosaccharide derivative having a lipophilic protective group introduced thereinto, the process being characterized in that the process includes:

(a) the step of introducing a lipophilic protective group into one or at least two 3-branched asparagine-linked oligosaccharides as contained in a mixture thereof to obtain a 3-branched asparagine-linked oligosaccharide derivative mixture, and

(b) the step of subjecting to chromatography the 3-branched asparagine-linked oligosaccharide derivative mixture or a mixture obtained by hydrolyzing the 3-branched asparagine-linked oligosaccharide derivative or derivatives contained in the 3-branched asparagine-linked oligosaccharide derivative mixture to separate the derivative or derivatives.

7. (original) A process for preparing a 3-branched asparagine-linked oligosaccharide derivative modified with a biotin group characterized by biotinating a 3-branched asparagine-linked oligosaccharide.

8. (original) A process for preparing a 3-branched asparagine-linked oligosaccharide derivative modified with an FITC group characterized by bonding FITC to a 3-branched asparagine-linked oligosaccharide.

9. (original) A process for preparing a 3-branched asparagine-linked oligosaccharide characterized by removing a lipophilic protective group, biotin group or FITC group from a 3-branched asparagine-linked oligosaccharide derivative.

10. (canceled)

11. (original) A microplate having immobilized thereto a biotinated 3-branched asparagine-linked oligosaccharide of claim 1 or 2.

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12. (original) An affinity column having immobilized thereto
a biotinated 3-branched asparagine-linked oligosaccharide of claim
1 or 2.